

TRACT 35053 - Portion of Block 3, Chandeleur Sound Area, St. Bernard Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description, and all islands and other lands formed by accretion, where allowed by law, or by reliction, and excepting tax adjudicated lands, belonging to the State of Louisiana and not presently under mineral lease on November 13, 2002, situated in St. Bernard Parish, Louisiana, and more particularly described as follows: Beginning at the Northeast corner of Block 3, Chandeleur Sound Area, having Coordinates of X = 2,664,850.00 and Y = 469,830.00; thence South 14,750.00 feet along the East line of said Block 3 to its Southeast corner having Coordinates of X = 2,664,850.00 and Y = 455,080.00; thence West 7,375.00 feet along the South line of said Block 3 to a point having Coordinates of X = 2,657,475.00 and Y = 455,080.00; thence North 14,750.00 feet to a point on the North line of said Block 3 having Coordinates of X = 2,657,475.00 and Y = 469,830.00; thence East 7,375.00 feet along the North line of said Block 3 to the point of beginning, containing approximately **2,202 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources, as provided by the applicant. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The Office of Mineral Resources will require a minimum bonus of \$130 per acre and a minimum royalty of 21%.

NOTE: The Department of Wildlife and Fisheries has designated certain areas in the coastal waters of the State of Louisiana as Oyster Seed Bed Areas. The exact location of those Seed Bed Areas must be obtained from the Department of Wildlife and Fisheries and any work done under a mineral lease from the State of Louisiana may necessarily be conducted in

conformity with the rules and regulations promulgated by the said Department of Wildlife and Fisheries for Oyster Seed Bed Areas.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as herein above reserved.

Applicant: Crawford Energy

Bidder	Cash Payment	Price / Acre	Rental	Oil	Gas	Other

CHANDELEUR SOUND AREA ADDITION, REVISED

Bik. 48

Bik. 49

Bik. 50

CHANDELEUR SOUND AREA

Bik. 2

Bik. 3

P. O. B.
X=2,664,850.00
Y=469,830.00

TR 35053
2,202 ± ACS.
NOV., 2002

Bik. 4

Bik. 21

Bik. 20

Bik. 19

GULF OF MEXICO

St. Bernard Parish, Louisiana

4000' 0' 4000'

NAD 27
— LAMBERT LA. SOUTH ZONE

TRACT 35054 - Portion of Block 4, Chandeleur Sound Area, St. Bernard Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description, and all islands and other lands formed by accretion, where allowed by law, or by reliction, and excepting tax adjudicated lands, belonging to the State of Louisiana and not presently under mineral lease on November 13, 2002, situated in St. Bernard Parish, Louisiana, and more particularly described as follows: Beginning at a point being the Northwest corner of Block 4, Chandeleur Sound Area, having Coordinates of X = 2,664,850.00 and Y = 469,830.00; thence East 7,375.00 feet on the North line of said Block 4 to a point having Coordinates of X = 2,672,225.00 and Y = 469,830.00; thence South 14,750.00 feet to a point on the South line of said Block 4 having Coordinates of X = 2,672,225.00 and Y = 455,080.00; thence West 7,375.00 feet on the South line of said Block 4 to a point, being the Southwest corner of said Block 4, having Coordinates of X = 2,664,850.00 and Y = 455,080.00; thence North 14,750.00 feet on the West line of said Block 4 to the point of beginning, containing approximately **2,486.00 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources, as provided by the applicant. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The Office of Mineral Resources will require a minimum bonus of \$130 per acre and a minimum royalty of 21%.

NOTE: The Department of Wildlife and Fisheries has designated certain areas in the coastal waters of the State of Louisiana as Oyster Seed Bed Areas. The exact location of those Seed Bed Areas must be obtained from the Department of Wildlife and Fisheries and any work done under a mineral lease from the State of Louisiana may necessarily be conducted in

conformity with the rules and regulations promulgated by the said Department of Wildlife and Fisheries for Oyster Seed Bed Areas.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as herein above reserved.

Applicant: Crawford Energy

Bidder	Cash Payment	Price / Acre	Rental	Oil	Gas	Other

2/2

T 13 S - R 19 E

P. O. B.
X=2,664,850.00
Y= 469,830.00

Bik. 3

Bik. 4

TR 35054
2,486 ± ACS.
NOV., 2002

CHANDELEUR SOUND AREA

Topography obtained from USC&GS Quadrangle
"MITCHELL ISLAND, LA." 1994 Edition.

St. Bernard Parish, Louisiana

2000' 0' 2000'

NAD 27 - LAMBERT LA. SOUTH ZONE

TRACT 35055 - Portion of Block 20, Chandeleur Sound Area, St. Bernard Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description, and all islands and other lands formed by accretion, where allowed by law, or by reliction, and excepting tax adjudicated lands, belonging to the State of Louisiana and not presently under mineral lease on November 13, 2002, situated in St. Bernard Parish, Louisiana, and more particularly described as follows: Beginning at the Northeast corner of Block 20, Chandeleur Sound Area, having Coordinates of X = 2,664,850.00 and Y = 455,080.00; thence South 7,375.00 feet along the East line of said Block 20 to a point having Coordinates of X = 2,664,850.00 and Y = 447,705.00; thence West 7,375.00 feet to a point having Coordinates of X = 2,657,475.00 and Y = 447,705.00; thence North 7,375.00 feet to a point on the North line of said Block 20 having Coordinates of X = 2,657,475.00 and Y = 455,080.00; thence East 7,375.00 feet along the North line of said Block 20 to the point of beginning, containing approximately **1,116 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources, as provided by the applicant. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The Office of Mineral Resources will require a minimum bonus of \$230 per acre and a minimum royalty of 23%.

NOTE: The Department of Wildlife and Fisheries has designated certain areas in the coastal waters of the State of Louisiana as Oyster Seed Bed Areas. The exact location of those Seed Bed Areas must be obtained from the Department of Wildlife and Fisheries and any work done under a mineral lease from the State of Louisiana may necessarily be conducted in

conformity with the rules and regulations promulgated by the said Department of Wildlife and Fisheries for Oyster Seed Bed Areas.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as herein above reserved.

Applicant: Crawford Energy

Bidder	Cash Payment	Price / Acre	Rental	Oil	Gas	Other

Bik. 2

Bik. 3

Bik. 4

P. O. B.
X=2,664,850.00
Y= 455,080.00

TR 35055
1,116 ± ACS.
NOV., 2002

Bik. 21

Bik. 20

Bik. 19

Bik. 24

CHANDELEUR SOUND AREA
GULF OF MEXICO

Bik. 26

SL 17394

Bik. 25

St. Bernard Parish, Louisiana

4000' 0' 4000'

TRACT 35056 - Portion of Block 19, Chandeleur Sound Area, St. Bernard Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description, and all islands and other lands formed by accretion, where allowed by law, or by reliction, and excepting tax adjudicated lands, belonging to the State of Louisiana and not presently under mineral lease on November 13, 2002, situated in St. Bernard Parish, Louisiana, and more particularly described as follows: Beginning at the Northwest corner of Block 19, Chandeleur Sound Area, having Coordinates of X = 2,664,850.00 and Y = 455,080.00; thence East 14,750.00 feet along the North line of said Block 19 to its Northeast corner having Coordinates of X = 2,679,600.00 and Y = 455,080.00; thence South 7,375.00 feet along the East line of said Block 19 to a point having Coordinates of X = 2,679,600.00 and Y = 447,705.00; thence West 14,750.00 feet to a point on the West line of said Block 19 having Coordinates of X = 2,664,850.00 and Y = 447,705.00; thence North 7,375.00 feet along the West line of said Block 19 to the point of beginning, containing approximately **2,482 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources, as provided by the applicant. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The Office of Mineral Resources will require a minimum bonus of \$230 per acre and a minimum royalty of 23%.

NOTE: The Department of Wildlife and Fisheries has designated certain areas in the coastal waters of the State of Louisiana as Oyster Seed Bed Areas. The exact location of those Seed Bed Areas must be obtained from the Department of Wildlife and Fisheries and any work done under a mineral lease from the State of Louisiana may necessarily be conducted in

conformity with the rules and regulations promulgated by the said Department of Wildlife and Fisheries for Oyster Seed Bed Areas.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as herein above reserved.

Applicant: Crawford Energy

Bidder	Cash Payment	Price / Acre	Rental	Oil	Gas	Other

218

Bik. 3

Bik. 4

Bik. 5

P. O. B.
X=2,664,850.00
Y= 455,080.00

TR 35056
2,482 ± ACS.
NOV., 2002

Bik. 20

Bik. 18

Bik. 19

Bik. 25

Bik. 26

SL 17394

Bik. 27

CHANDELEUR SOUND AREA
GULF OF MEXICO

St. Bernard Parish, Louisiana

4000' 0' 4000'

NAD 27
LAMBERT LA. SOUTH ZONE

TRACT 35057 - Portion of Block 18, Chandeleur Sound Area, Addition, Revised, St. Bernard Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description, and all islands and other lands formed by accretion, where allowed by law, or by reliction, and excepting tax adjudicated lands, belonging to the State of Louisiana and not presently under mineral lease on November 13, 2002, situated in St. Bernard Parish, Louisiana, and more particularly described as follows: Beginning at a point being the Northeast corner of Block 18, Chandeleur Sound Area, Addition, Revised, having Coordinates of X = 2,694,350.00 and Y = 528,830.00; thence South 7,375.00 feet to a point having Coordinates of X = 2,694,350.00 and Y = 521,455.00; thence West 14,750.00 feet to a point having Coordinates of X = 2,679,600.00 and Y = 521,455.00; thence North 7,375.00 feet to the Northwest corner of said Block 18 to a point having Coordinates of X = 2,679,600.00 and Y = 528,830.00; thence East 14,750.00 feet to the point of beginning, containing approximately **2,497.27 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources, as provided by the applicant. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The Office of Mineral Resources will require a minimum bonus of \$130 per acre and a minimum royalty of 21%.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived

under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as herein above reserved.

Applicant: Crawford Energy

Bidder	Cash Payment	Price / Acre	Rental	Oil	Gas	Other

P.O.B.
X=2,694,350.00
Y= 528,830.00

TR 35057
2,497.27 ± ACS.
NOV., 2002

BLOCK 18

SL 17386



CHANDELEUR SOUND AREA ADDITION ,REVISED
ST. BERNARD PARISH, LOUISIANA

SCALE: 1" = 4000'

TRACT 35058 - Portion of Block 18, Chandeleur Sound Area, Addition, Revised, St. Bernard Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description, and all islands and other lands formed by accretion, where allowed by law, or by reliction, and excepting tax adjudicated lands, belonging to the State of Louisiana and not presently under mineral lease on November 13, 2002, situated in St. Bernard Parish, Louisiana, and more particularly described as follows: Beginning at a point being the Southeast corner of Block 18, Chandeleur Sound Area, Addition, Revised, having Coordinates of X = 2,694,350.00 and Y = 514,080.00; thence West 10,358.71 feet to the Southeast corner of State Lease No. 17386 and the Northeast corner of State Lease No. 17387 having Coordinates of X = 2,683,991.29 and Y = 514,080.00; thence North 51 degrees 30 minutes 32 seconds West 5,610.40 feet to a point being the Northern point of said State Lease No. 17386 having Coordinates of X = 2,679,600.00 and Y = 517,571.86; thence North 3,883.14 feet to a point having Coordinates of X = 2,679,600.00 and Y = 521,455.00; thence East 14,750.00 feet to a point having Coordinates of X = 2,694,350.00 and Y = 521,455.00; thence South 7,375.00 feet to the point of beginning, containing approximately **2,321.27 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources, as provided by the applicant. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The Office of Mineral Resources will require a minimum bonus of \$130 per acre and a minimum royalty of 21%.

NOTE: The Department of Wildlife and Fisheries has designated certain areas in the coastal waters of the State of Louisiana as Oyster Seed Bed Areas. The exact location of those Seed Bed Areas must be obtained from

the Department of Wildlife and Fisheries and any work done under a mineral lease from the State of Louisiana may necessarily be conducted in conformity with the rules and regulations promulgated by the said Department of Wildlife and Fisheries for Oyster Seed Bed Areas.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as herein above reserved.

Applicant: Crawford Energy

Bidder	Cash Payment	Price / Acre	Rental	Oil	Gas	Other

BLOCK 18

TR 35058
2,321.27 ± ACS.
NOV., 2002

SL 17386

P.O.B.

X=2,694,350.00
Y= 514,080.00

SL 17387

CHANDELEUR SOUND AREA ADDITION, REVISED
ST. BERNARD PARISH, LOUISIANA

SCALE: 1" = 4000'

TRACT 35059 - Portion of Block 27, Chandeleur Sound Area, Addition, Revised, St. Bernard Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description, and all islands and other lands formed by accretion, where allowed by law, or by reliction, and excepting tax adjudicated lands, belonging to the State of Louisiana and not presently under mineral lease on November 13, 2002, situated in St. Bernard Parish, Louisiana, and more particularly described as follows: Beginning at the Northeast corner of Block 27, Chandeleur Sound Area, Addition, Revised, having Coordinates of X = 2,694,350.00 and Y = 514,080.00; thence South 7,375.00 feet along the East line of said Block 27 to a point having Coordinates of X = 2,694,350.00 and Y = 506,705.00; thence West 14,750.00 feet to a point on the West line of said Block 27 having Coordinates of X = 2,679,600.00 and Y = 506,705.00; thence North 5,048.66 feet along the West line of said Block 27 to a point, also being the most Westerly Southwest corner of State Lease No. 17387 having Coordinates of X = 2,679,600.00 and Y = 511,753.66; thence along the boundary of said State Lease No. 17387 the following courses: South 45 degrees 04 minutes 42 seconds East 4,304.19 feet, East 5,907.26 feet, North 1,736.78 feet and North 51 degrees 30 minutes 32 seconds West 5,830.61 feet to the Northeast corner of said State Lease No. 17387, also being a point on the North line of said Block 27 having Coordinates of X = 2,683,991.29 and Y = 514,080.00; thence East 10,358.71 feet along the North line of said Block 27 to the point of beginning, containing approximately **1,682 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources, as provided by the applicant. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The Office of Mineral Resources will require a minimum bonus of \$130 per acre and a minimum royalty of 21%.

NOTE: The Department of Wildlife and Fisheries has designated certain areas in the coastal waters of the State of Louisiana as Oyster Seed Bed Areas. The exact location of those Seed Bed Areas must be obtained from the Department of Wildlife and Fisheries and any work done under a mineral lease from the State of Louisiana may necessarily be conducted in conformity with the rules and regulations promulgated by the said Department of Wildlife and Fisheries for Oyster Seed Bed Areas.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as herein above reserved.

Applicant: Crawford Energy

Bidder	Cash Payment	Price / Acre	Rental	Oil	Gas	Other

EXHIBIT B

227

Bik. 19

Bik. 18

Bik. 17

SL
17386

P. O. B.
X=2,694,350.00
Y=514,080.00

SL 17387

TR 35059
1,682 ± ACS.
NOV., 2002

Bik. 26

Bik. 27

Bik. 28

Bik. 43

CHANDELEUR SOUND AREA ADDITION, REVISED

GULF OF MEXICO

Bik. 41

Bik. 42

St. Bernard Parish, Louisiana

4000' 0' 4000'

NAD 27 LAMBERT LA. SOUTH ZONE

TRACT 35060 - Portion of Block 27, Chandeleur Sound Area, Addition, Revised, St. Bernard Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description, and all islands and other lands formed by accretion, where allowed by law, or by reliction, and excepting tax adjudicated lands, belonging to the State of Louisiana and not presently under mineral lease on November 13, 2002, situated in St. Bernard Parish, Louisiana, and more particularly described as follows: Beginning at the Southeast corner of Block 27, Chandeleur Sound Area, Addition, Revised, having Coordinates of X = 2,694,350.00 and Y = 499,330.00; thence West 14,750.00 feet along the South line of said Block 27 to its Southwest corner having Coordinates of X = 2,679,600.00 and Y = 499,330.00; thence North 7,375.00 feet along the West line of said Block 27 to a point having Coordinates of X = 2,679,600.00 and Y = 506,705.00; thence East 14,750.00 feet to a point on the East line of said Block 27 having Coordinates of X = 2,694,350.00 and Y = 506,705.00 thence South 7,375.00 feet to the point of beginning, containing approximately **2,449.00 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources, as provided by the applicant. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The Office of Mineral Resources will require a minimum bonus of \$130 per acre and a minimum royalty of 21%.

NOTE: The Department of Wildlife and Fisheries has designated certain areas in the coastal waters of the State of Louisiana as Oyster Seed Bed Areas. The exact location of those Seed Bed Areas must be obtained from the Department of Wildlife and Fisheries and any work done under a mineral lease from the State of Louisiana may necessarily be conducted in

conformity with the rules and regulations promulgated by the said Department of Wildlife and Fisheries for Oyster Seed Bed Areas.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as herein above reserved.

Applicant: Crawford Energy

Bidder	Cash Payment	Price / Acre	Rental	Oil	Gas	Other

230

P.
U.

L

L

L

A

A

H

C

BIK. 27

TR 35060
2,449 ± ACS.
NOV., 2002

BIK. 42

P. O. B.
X=2,694,350.00
Y= 499,330.00

CHANDELEUR SOUND AREA ADDITION, REVISED

Topography obtained from USCS&GS Quadrangle
"DOOR POINT, LA." 1994 Edition.

St. Bernard Parish, Louisiana

2000' 0' 2000'

NAD 27 LAMBERT LA. SOUTH ZONE

TRACT 35061 - Portion of Block 42, Chandeleur Sound Area, Addition, Revised, St. Bernard Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description, and all islands and other lands formed by accretion, where allowed by law, or by reliction, and excepting tax adjudicated lands, belonging to the State of Louisiana and not presently under mineral lease on November 13, 2002, situated in St. Bernard Parish, Louisiana, and more particularly described as follows: Beginning at the Northeast corner of Block 42, Chandeleur Sound Area, Addition, Revised, having Coordinates of X = 2,694,350.00 and Y = 499,330.00; thence South 7,375.00 feet along the East line of said Block 42 to a point having Coordinates of X = 2,694,350.00 and Y = 491,955.00; thence West 14,750.00 feet to a point on the West line of said Block 42 having Coordinates of X = 2,679,600.00 and Y = 491,955.00; thence North 7,375.00 feet along the West line of said Block 42 to its Northwest corner having Coordinates of X = 2,679,600.00 and Y = 499,330.00; thence East 14,750.00 feet along the North line of said Block 42 to the point of beginning, containing approximately **2,497.27 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources, as provided by the applicant. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The Office of Mineral Resources will require a minimum bonus of \$130 per acre and a minimum royalty of 21%.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management

and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as herein above reserved.

Applicant: Crawford Energy

Bidder	Cash Payment	Price / Acre	Rental	Oil	Gas	Other

TRACT 35062 - Portion of Block 42, Chandeleur Sound Area, Addition, Revised, St. Bernard Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description, and all islands and other lands formed by accretion, where allowed by law, or by reliction, and excepting tax adjudicated lands, belonging to the State of Louisiana and not presently under mineral lease on November 13, 2002, situated in St. Bernard Parish, Louisiana, and more particularly described as follows: Beginning at the Southeast corner of Block 42, Chandeleur Sound Area, Addition, Revised, having Coordinates of X = 2,694,350.00 and Y = 484,580.00; thence West 14,750.00 feet along the South line of said Block 42 to its Southwest corner having Coordinates of X = 2,679,600.00 and Y = 484,580.00; thence North 7,375.00 feet along the West line of said Block 42 to a point having Coordinates of X = 2,679,600.00 and Y = 491,955.00; thence East 14,750.00 feet to a point on the East line of said Block 42 having Coordinates of X = 2,694,350.00 and Y = 491,955.00; thence South 7,375.00 feet along the East line of said Block 42 to the point of beginning, containing approximately **2,497.27 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources, as provided by the applicant, as provided by the applicant. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The Office of Mineral Resources will require a minimum bonus of \$130 per acre and a minimum royalty of 21%.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing,

constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as herein above reserved.

Applicant: Crawford Energy

Bidder	Cash Payment	Price / Acre	Rental	Oil	Gas	Other

236

BLOCK 42

TR 35062
2,497.27 ± ACS.
NOV., 2002

P.O.B.
X=2,694,350.00
Y= 484,580.00

S
O
U
N

Martin Island



CHANDELEUR SOUND AREA ADDITION, REVISED
ST. BERNARD PARISH, LOUISIANA

SCALE: 1" = 4000'

TRACT 35063 - Portion of Block 51, Chandeleur Sound Area, Addition, Revised, St. Bernard Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description, and all islands and other lands formed by accretion, where allowed by law, or by reliction, and excepting tax adjudicated lands, belonging to the State of Louisiana and not presently under mineral lease on November 13, 2002, situated in St. Bernard Parish, Louisiana, and more particularly described as follows: Beginning at the Northeast corner of Block 51, Chandeleur Sound Area, Addition, Revised, having Coordinates of X = 2,694,350.00 and Y = 484,580.00; thence South 7,375.00 feet along the East line of said Block 51 to a point having Coordinates of X = 2,694,350.00 and Y = 477,205.00; thence West 14,750.00 feet to a point on the West line of said Block 51 to a point having Coordinates of X = 2,679,600.00 and Y = 477,205.00; thence North 7,375.00 feet to the Northwest corner of said Block 51 having Coordinates of X = 2,679,600.00 and Y = 484,580.00; thence East 14,750.00 feet to the point of beginning, containing approximately **2,497.27 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources, as provided by the applicant. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The Office of Mineral Resources will require a minimum bonus of \$130 per acre and a minimum royalty of 21%.

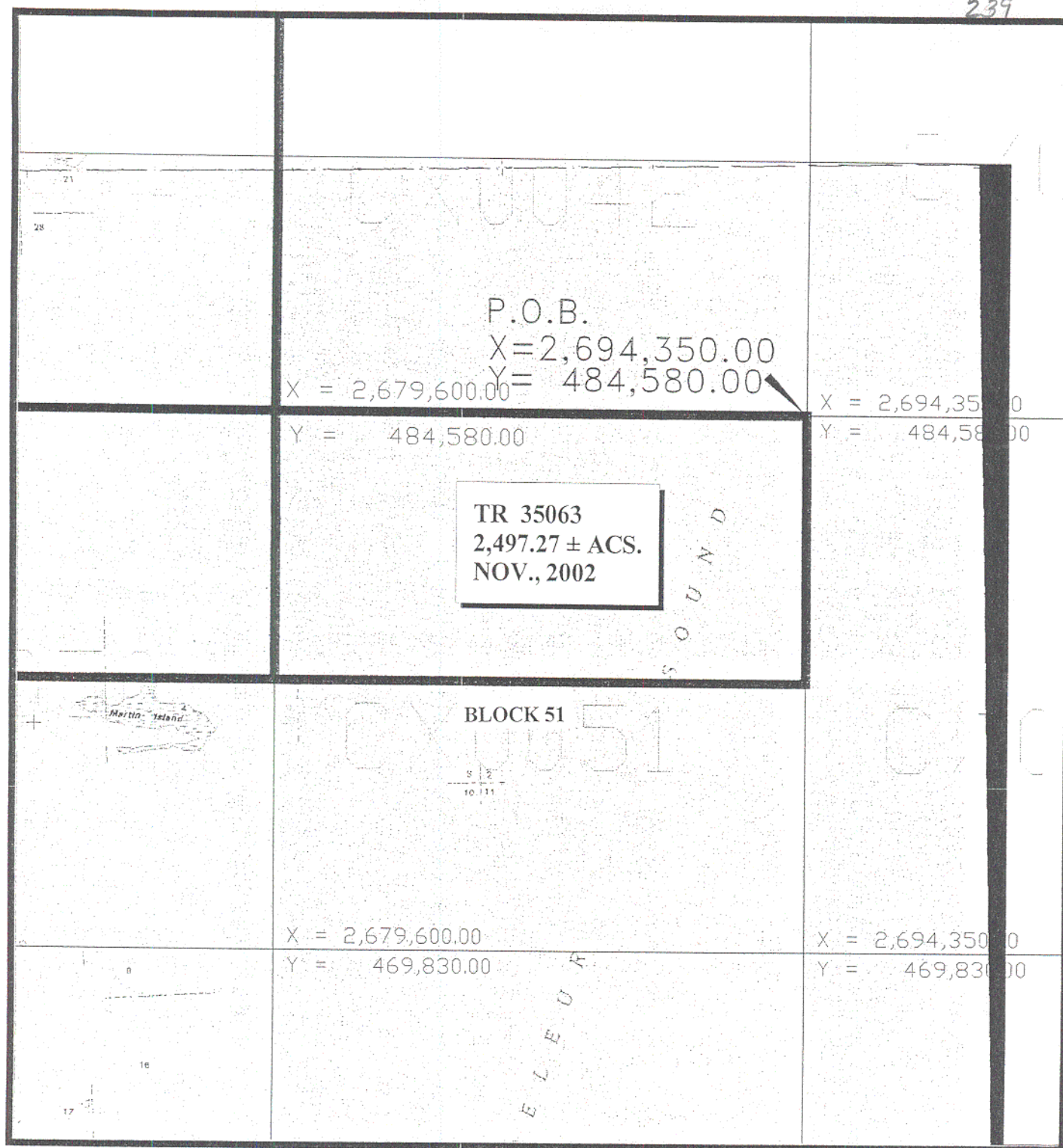
NOTE: The Department of Wildlife and Fisheries has designated certain areas in the coastal waters of the State of Louisiana as Oyster Seed Bed Areas. The exact location of those Seed Bed Areas must be obtained from the Department of Wildlife and Fisheries and any work done under a mineral lease from the State of Louisiana may necessarily be conducted in

conformity with the rules and regulations promulgated by the said Department of Wildlife and Fisheries for Oyster Seed Bed Areas.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as herein above reserved.

Applicant: Crawford Energy

Bidder	Cash Payment	Price / Acre	Rental	Oil	Gas	Other



TRACT 35064 - Portion of Block 51, Chandeleur Sound Area, Addition, Revised, St. Bernard Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description, and all islands and other lands formed by accretion, where allowed by law, or by reliction, and excepting tax adjudicated lands, belonging to the State of Louisiana and not presently under mineral lease on November 13, 2002, situated in St. Bernard Parish, Louisiana, and more particularly described as follows: Beginning at the Southeast corner of Block 51, Chandeleur Sound Area, Addition, Revised, having Coordinates of X = 2,694,350.00 and Y = 469,830.00; thence West 14,750.00 feet to the Southwest corner of said Block 51 having Coordinates of X = 2,679,600.00 and Y = 469,830.00; thence North 7,375.00 feet along the West line of said Block 51 to a point having Coordinates of X = 2,679,600.00 and Y = 477,205.00; thence East 14,750.00 feet to a point on the East line of said Block 51 having Coordinates of X = 2,694,350.00 and Y = 477,205.00; thence South 7,375.00 feet to the point of beginning, containing approximately **2,497.27 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources, as provided by the applicant. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The Office of Mineral Resources will require a minimum bonus of \$130 per acre and a minimum royalty of 21%.

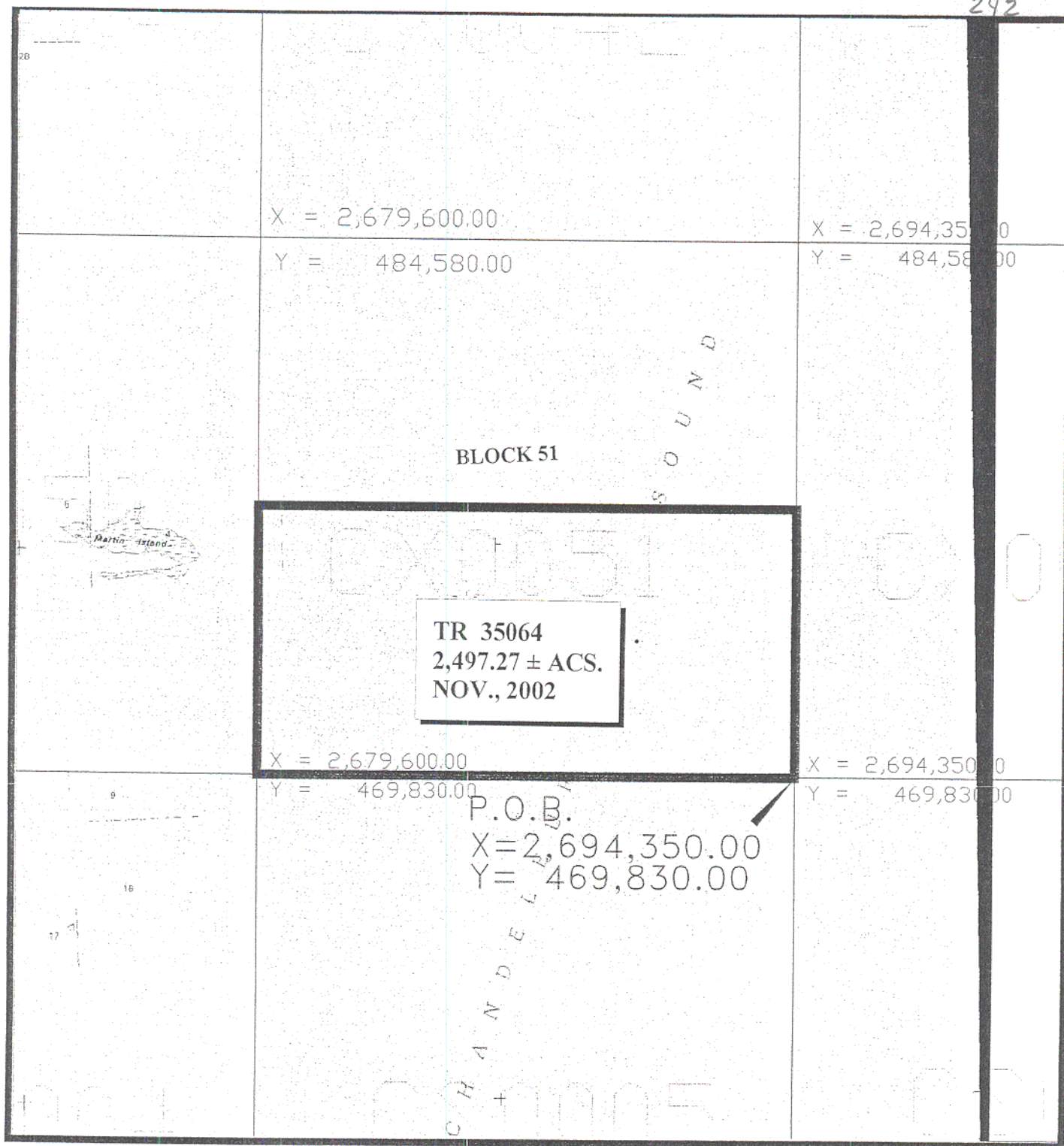
NOTE: The Department of Wildlife and Fisheries has designated certain areas in the coastal waters of the State of Louisiana as Oyster Seed Bed Areas. The exact location of those Seed Bed Areas must be obtained from the Department of Wildlife and Fisheries and any work done under a mineral lease from the State of Louisiana may necessarily be conducted in conformity with the rules and regulations promulgated by the said

Department of Wildlife and Fisheries for Oyster Seed Bed Areas.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as herein above reserved.

Applicant: Crawford Energy

Bidder	Cash Payment	Price / Acre	Rental	Oil	Gas	Other



CHANDELEUR SOUND AREA ADDITION, REVISED
ST. BERNARD PARISH, LOUISIANA

SCALE: 1" = 4000'

TRACT 35065 - Portion of Block 4, Chandeleur Sound Area, St. Bernard Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description, and all islands and other lands formed by accretion, where allowed by law, or by reliction, and excepting tax adjudicated lands, belonging to the State of Louisiana and not presently under mineral lease on November 13, 2002, situated in St. Bernard Parish, Louisiana, and more particularly described as follows: Beginning at the Northeast corner of Block 4, Chandeleur Sound Area, having Coordinates of X = 2,679,600.00 and Y = 469,830.00; thence South 14,750.00 feet along the East line of said Block 4 to its Southeast corner having Coordinates of X = 2,679,600.00 and Y = 455,080.00; thence West 7,375.00 feet along the South line of said Block 4 to a point having Coordinates of X = 2,672,225.00 and Y = 455,080.00; thence North 14,750.00 feet to a point on the North line of said Block 4 having Coordinates of X = 2,672,225.00 and Y = 469,830.00; thence East 7,375.00 feet along the North line of said Block 4 to the point of beginning, containing approximately **2,497.27 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources, as provided by the applicant. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The Office of Mineral Resources will require a minimum bonus of \$130 per acre and a minimum royalty of 21%.

NOTE: The Department of Wildlife and Fisheries has designated certain areas in the coastal waters of the State of Louisiana as Oyster Seed Bed Areas. The exact location of those Seed Bed Areas must be obtained from the Department of Wildlife and Fisheries and any work done under a mineral lease from the State of Louisiana may necessarily be conducted in

conformity with the rules and regulations promulgated by the said Department of Wildlife and Fisheries for Oyster Seed Bed Areas.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as herein above reserved.

Applicant: Crawford Energy

Bidder	Cash Payment	Price / Acre	Rental	Oil	Gas	Other

CHANDELEUR SOUND AREA ADDITION, REVISED

245

BIK. 49

BIK. 50

BIK. 51+

CHANDELEUR SOUND AREA

BIK. 3

BIK. 4

TR 35065
2,497.27 ± ACS.
NOV., 2002

BIK. 5

BIK. 20

GULF OF MEXICO

BIK. 19

BIK. 18

St. Bernard Parish, Louisiana

4000' 0' 4000'

NAD 27 LAMBERT LA. SOUTH ZONE